

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/011,797DATE: 11/12/98  
TIME: 18:35:17

INPUT SET: S29792.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

ENTERED

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: PARMENTIER, MARC  
6 VASSART, GILBERT  
7 MEUNIER, JEAN-CLAUDE  
8 MOLLEREAU, CATHERINE  
9  
10 (ii) TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING PEPTIDES  
11 HAVING PRONOCICEPTIVE PROPERTIES  
12  
13 (iii) NUMBER OF SEQUENCES: 4  
14  
15 (iv) CORRESPONDENCE ADDRESS:  
16 (A) ADDRESSEE: Knobbe, Martens, Olson & Bear  
17 (B) STREET: 620 Newport Center Drive 16th Floor  
18 (C) CITY: Newport Beach  
19 (D) STATE: CA  
20 (E) COUNTRY: U.S.A.  
21 (F) ZIP: 92660  
22  
23 (v) COMPUTER READABLE FORM:  
24 (A) MEDIUM TYPE: Floppy disk  
25 (B) COMPUTER: IBM PC compatible  
26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
28  
29 (vi) CURRENT APPLICATION DATA:  
30 (A) APPLICATION NUMBER:  
31 (B) FILING DATE:  
32 (C) CLASSIFICATION:  
33  
34 (viii) ATTORNEY/AGENT INFORMATION:  
35 (A) NAME: Altman, Daniel E  
36 (B) REGISTRATION NUMBER: 34,115  
37 (C) REFERENCE/DOCKET NUMBER: VANMA72.001APC  
38  
39 (ix) TELECOMMUNICATION INFORMATION:  
40 (A) TELEPHONE: 714-760-0404  
41 (B) TELEFAX: 714-760-9502  
42 (C) TELEX:  
43  
44  
45 (2) INFORMATION FOR SEQ ID NO: 1:  
46

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47 (i) SEQUENCE CHARACTERISTICS:  
48 (A) LENGTH: 932 base pairs  
49 (B) TYPE: nucleic acid  
50 (C) STRANDEDNESS: double  
51 (D) TOPOLOGY: linear  
52  
53 (ii) MOLECULE TYPE: cDNA  
54  
55  
56  
57 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
58  
59 CTCTCCAGCG TGTTCAGCAG CTGTCCCAG GACTGCCTCA CCTGCCAGGA GAGGCTCCAC 60  
60  
61 CCGGCTCCGG GCAGCTTCAA CCTGAAGCTG TGCATCCTCC AGTGTGAAGA GAAGGTCTTC 120  
62  
63 CCCCCCCCCT TCTGGACTCT TTGCACCAAA GCCATGGCCA GTGACTCTGA GCAGCTCAGC 180  
64  
65 CCTGCTGATC CAGAGCTCAC GTCCGCTGCT CTTTACCAGT CGAAAGCCTC GGAGATGCAG 240  
66  
67 CACCTGAAGA GAATGCCGCG TGTCAGGAGT GTGGTGCAAG CCCGAGACGC AGAGCCTGAG 300  
68  
69 GCAGATGCAG AGCCTGTCGC AGATGAGGCC GATGAGGTGG AGCAGAAGCA GCTGCAGAAA 360  
70  
71 AGGTTTGGGG GCTTCACTGG GGCCCCGAAG TCAGCCCCGA AGTTGGCCAA CCAGAAGCGG 420  
72  
73 TTCAGTGAGT TTATGAGGCA GTACCTGGTC CTGAGCATGC AGTCAAGCCA ACGCCGCCGC 480  
74  
75 ACTCTGCACC AGAATGGTAA TGTGTAGCCA GAAGGAGCCC CTCCCAGCTG CACCGGCCAC 540  
76  
77 TGCAACCCAT GAGCATCCAG GTGAGCCCCC GTACAGCATG TGTCCACACC AAGACCTGCA 600  
78  
79 GGCCGGGAGT CAGGATTCCT CTTTCCCTGA GGCAC'TGAAC ACCCGCGGCA CCTCCCCACA 660  
80  
81 GCATGTCTCA CCACAATCCT GTTGCTACAT CAGAGTGTAT TTTTGTAAAT CCTCCAGCTA 720  
82  
83 ACATTTTAAT GGCCCCATCT TCTTGCTCAT CCTCTGCCCT CTCGTAGGGC CAGGTGAGAG 780  
84  
85 GAACATGAAA TCAGACCTGG GGT'TTTGCCT CACCACTGCC ATA'ACTGGTT TGTAAAGGAG 840  
86  
87 CTGTTCTTTT TGA'CTGATTG TTTGAAACAA CTTTCTCCAT TAAACTTCTA CTGAGCAAAA 900  
88  
89 TGGTTAATAA AAAAAAAAAA AAAAAGGAAT TC 932  
90  
91 (2) INFORMATION FOR SEQ ID NO: 2:  
92  
93 (i) SEQUENCE CHARACTERISTICS:  
94 (A) LENGTH: 17 amino acids  
95 (B) TYPE: amino acid  
96 (C) STRANDEDNESS: single  
97 (D) TOPOLOGY: linear  
98  
99 (ii) MOLECULE TYPE: peptide

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100

101

102

103 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

104

105 Phe Gly Gly Phe Thr Gly Ala Arg Lys Ser Ala Arg Lys Leu Ala Asn

106 1 5 10 15

107

108 Gln

109

110

111 (2) INFORMATION FOR SEQ ID NO: 3:

112

113 (i) SEQUENCE CHARACTERISTICS:

114 (A) LENGTH: 17 amino acids

115 (B) TYPE: amino acid

116 (C) STRANDEDNESS: single

117 (D) TOPOLOGY: linear

118

119 (ii) MOLECULE TYPE: peptide

120

121

122

123 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

124

125 Phe Ser Glu Phe Met Arg Gln Tyr Leu Val Leu Ser Met Gln Ser Ser

126 1 5 10 15

127

128 Gln

129

130

131 (2) INFORMATION FOR SEQ ID NO: 4:

132

133 (i) SEQUENCE CHARACTERISTICS:

134 (A) LENGTH: 8 amino acids

135 (B) TYPE: amino acid

136 (C) STRANDEDNESS: single

137 (D) TOPOLOGY: linear

138

139 (ii) MOLECULE TYPE: peptide

140

141

142

143 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

144

145 Thr Leu His Gln Asn Gly Asn Val

146 1 5

147

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**SEQUENCE VERIFICATION REPORT**  
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**SEQUENCE MISSING ITEM REPORT**  
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**SEQUENCE CORRECTION REPORT**  
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